## WHAT IS CLAIMED IS:

| 2  | 1. A sole assembly for an orbital sander having a motor having a shaft               |
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| 3  | with an outside end and a drive shaft defined eccentrically on the outside end and   |
| 4  | having an axis, a distal end and a screw hole defined in the distal end at the axis, |
| 5  | and the sole assembly comprising:  |
| 6  | a sole plate having  |
| 7  | a top;   |
| 8  | a bottom;  |
| 9  | two opposite ends; and   |
| 10 | an integral bearing seat integrally formed on and protruding                         |
| 11 | from the top and having  |
| 12 | a top;   |
| 13 | a top opening defined through the top of the bearing seat;                           |
| 14 | and  |
| 15 | a bottom recess defined coaxially with the top opening                               |
| 16 | through the bottom of the sole plate;  |
| 17 | a bearing mounted and held securely in the bottom recess of the bearing              |
| 18 | seat to hold the distal end of the drive shaft; and                                  |
| 19 | two sandpaper clips mounted respectively at the ends of the sole plate.              |
| 20 | 2. The sole assembly as claimed in claim 1, wherein the sole plate further           |
| 21 | has multiple in-line protrusions formed on the top of the sole plate and arranged    |
| 22 | in two lines respectively at the ends of the sole plate; and                         |
| 23 | each of the sandpaper clips has a mounting bracket with multiple                     |
| 24 | mounting holes aligned respectively with the protrusions of one of the lines, and    |

- 1 each of the mounting holes receives the aligned protrusion;
- whereby the sandpaper clips are fastened to the top of the sole plate by
- 3 welding.
- 4 3. The sole assembly as claimed in claim 2 further comprising a washer
- 5 and a fastener passing through the washer to screw into the screw hole in the
- 6 drive shaft to attach the bearing to the drive shaft.